BRUHATH BANGALORE MAHANAGARA PALIKE,

Office of the Executive Engineer Dasarahalli Division,

Schedule-B

NAME OF WORK: Providing and Laying PVC pipe line for water supply in Abbigere Medarahalli and KG Halli in ward No.12, Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Sanctioned rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	1.00	3768.00	Rupees Three thousand seven hundred sixty eight only
	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified., etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.				
2	0.00 to 50.00 mtrs	Rmtr	50.00	347.00	Rupees Three hundred fourty seven only
3	50mtr to 100.00 mtr	Rmtr	50.00	442.00	Rupees Four hundred fourty two only
4	100.00 to 150.00 mtr	Rmtr	50.00	456.00	Rupees Four hundred fifty six only
5	150.00 to 200.00 mtr	Rmtr	50.00	536.00	Rupees Five hundred thirty six only
6	200.00 to 250.00 mtr	Rmtr	50.00	634.00	Rupees Six hundred thirty four only
7	250.00 to 300.00 mtr	Rmtr	50.00	700.00	Rupees Seven hundred only

8	300.00 to 350.00 mtr	Rmtr	50.00	825.00	Rupees Eight hundred twenty five only
9	350.00 to 400.00 Mtr	Rmtr	50.00	900.00	Rupees Nine hundred only
10	Providing and Fixing 250mm dia PVC pipeetc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Mtr	198.00	2203.39	Rupees Two thousand two hundred three and thirty nine paise only
11	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr.complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	550.00	1325.00	Rupees One thousand three hundred twenty five only
12	Providing 175 mm dia MS Collar etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	1.00	150.00	Rupees One hundred fifty only
13	Providing 175 mm dia MS Cap etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	1.00	100.00	Rupees One hundred only
14	Providing Supplying to work site and fixing submersible pump sets of 150mm dia suitable for borewell and confirming to IS 8034:3phase SS Bowl & Impeller with Low Volt motor as per Specifications as per necessary ammendments and instructions complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	1.00	78348.00	Rupees Seventy eight thousand three hundred fourty eight only
15	Supplying, laying, jointing testing and commissioning of GI pipes confirming to IS 1239:1990 with latest amendments, including fising collars, Elbows, Tees, bends, Glad Cocks and other Fittings (Excluding Cost of Specials) with Cuts and Threads wherever necessary including conveying the materials to workspot, including testing for water tightness with all lead and lifts etc complete (Contractor shall make his own arrangements for procuring water for testing) Class-C - Heavy 50mm Dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	300.00	463.00	Rupees Four hundred sixty three only
16	Suppy and fixing 50mm dia GI collar Heavy duty etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	50.00	180.00	Rupees One hundred eighty only

17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990.3C X 6.0Sq.mm etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	620.00	205.00	Rupees Two hundred five only
18	Supply and fixing 50mm dia GI Union with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	1.00	223.70	Rupees Two hundred twenty three and seventy paise only
19	Supply and fixing 50mm dia GI Union with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	104.30	Rupees One hundred four and thirty paise only
20	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 With ISI Mark and as per its latest amendments 50mm Dia etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	1.00	1175.00	Rupees One thousand one hundred seventy five only
21	Supplying and fixing 50mm dia GI Elbow with ISI mark etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	111.80	Rupees One hundred eleven and eighty paise only
22	Supplying and delivery at site brand new star/Essen/Lotus/Sun-Shines/Adarsh/ G.K.Controls Best Indigenous make combined energy meter-cum-control panel board unit minimum mechanically strong suitable for operation on 3HP 50HZ 380/440 Volts AC supply with spring loaded latch locking Device with a key Ribbs should be provided. contron panal board unit suitable for operation on 3HP 50HZ 380/440 Volts AC shall be consists Etc. complete the panal board shall be fabricated in single unit in the above components panal board suitable pump set 10HP to 20HP with stae delta starter out door panel board up to 20HP	No	1.00	21000.00	Rupees Twenty one thousand only
23	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions	Job	1.00	5650.00	Rupees Five thousand six hundred fifty only
24	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions	Job	1.00	1198.00	Rupees One thousand one hundred ninety eight only
25	Supplying of TPST with rewirable porcelain channels in SM enclosure 32 amps	No	1.00	1800.00	Rupees One thousand eight hundred only
26	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs crews.20"x20"x2.5"	No	1.00	292.00	Rupees Two hundred ninety two only

27	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.C.	No	1.00	430.00	Rupees Four hundred thirty only
28	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like induction motor. 2KVAR	No	1.00	400.00	Rupees Four hundred only
29	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6 to 32amps	No	1.00	1715.00	Rupees One thousand seven hundred fifteen only
30	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	No	1.00	2999.70	Rupees Two thousand nine hundred ninety nine and seventy paise only
31	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia	Rmtr	4.00	335.00	Rupees Three hundred thirty five only
32	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975	Rmtr	45.00	150.00	Rupees One hundred fifty only
33	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) cutting road surface in hard soil	Rmtr	40.00	102.00	Rupees One hundred two only
34	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm.	No	45.00	11.88	Rupees Eleven and eighty eight only
35	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc	No	3.00	270.00	Rupees Two hundred seventy only
36	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers	No	3.00	174.00	Rupees One hundred seventy four only
37	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg No.08 I.No.2.26)Cutting Asphalt Road Surface	Cum	5.40	542.00	Rupees Five hundred fouty two only
38	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg No.08 I.No.2.26)Cutting in cement concrete road Surface	~~Rmtr~~ Cmt	2.25	1106.00	Rupees One thousand one hundred six only

39	Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs and depth up to 2.00 mtrs. Including shoring and strutting, danger lighting and using sight rails and boning rods at every 100 mtrs. Wherever necessary as directed in the following strata. (Manual Means) in ordinary soil	Cum	2033.10	262.00	Rupees Two hundred sixty two only
40	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete. (RDWS SR 2019-20Pg No.62 I No.10.01.1)(a) 63mm dia 6kg/cm2	Rmtr	4518.00	155.00	Rupees One hundred fifity five only
41	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering, Consolidation in layers of 15 cm thick including disposing of the surplus earth with all lead & lifts. (Compacting with vibro roller)	Cum	262.00	103.00	Rupees One hundred three only
42	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments 50mm dia	Each	20.00	1190.00	Rupees One thousand one hundred ninety only
43	BESCOM charges	Each	1.00	19500.00	Rupees Ninteen thousand five hundred only

Executive Engineer
Dasarahalli Division